



PTO/SB/08 Equivalent

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 2

Application No. 09/785,944

Filing Date Feb. 16, 2001

First Named Inventor Fermann

Art Unit 2828

Examiner Delma R. Flores

Attorney Docket No. IMRAA.015C1

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
HA	Exhibit. 1	5,818,630	10-06-98	Fermann et. al.	
	Exhibit. 2	2003/0202547	10-30-03	Fermann et al.	
	Exhibit. 3	2005/0008044	01-13-05	Fermann et al.	
	Exhibit. 4	6,275,512	08-14-01	Fermann	
	Exhibit. 5	6,954,575	10-11-05	Fermann et al.	
	Exhibit. 6	2001/0024458	09-27-01	Fermann	
	Exhibit. 8	5,422,897	06-06-95	Wyatt et. al.	
	Exhibit. 15	6,496,301	12-17-02	Koplow et. al.	
HA	Exhibit. 21	5,187,759	02-16-93	DIGiovanni et. al.	
	Exhibit. 22	5,880,877	03-09-99	Fermann et. al.	

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HA		<u>Opinion Rendered for SPI Lasers plc Regarding IMA's U.S. Patent Nos. 5,818,630, 6,275,512 and 6,954,575 and IMRA's Pending Published Patent Applications '547, '044 and '458, Fulbright &amp; Jaworski L.L.P. March 2, 2006</u>	
	Exhibit. 7	Lih-Mei Yang, Generation and Amplification of Ultrashort Pulses in Erbium Neodymium, and Thulium Fibers, Dissertation Abstracts International, VI. 57, No. 6, Section B, Page 3823 (December 1996)(the Yang dissertation)	
	Exhibit. 9	B. Desthieux et al., 111 kW (0.5mJ) pulse amplification at 1.5 um using a Gated Cascade of Three Erbium-Doped Fiber Amplifiers, Appl. Phys. Lett., Vol. 63, No. 5, 586-88 (August 2, 1993) (The Desthieux publication)	
	Exhibit. 10	Notice of Allowability dated May 26, 1998 (the '630 patent)	
HA	Exhibit. 11	April 25, 2003 Declaration filed in the '547 published application	

Examiner Signature

Date Considered

9/15/2006

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T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	09/785,944
	Filing Date	Feb. 16, 2001
	First Named Inventor	Fermann
	Art Unit	2828
(Multiple sheets used when necessary)	Examiner	Delma R. Flores
SHEET 2 OF 8	Attorney Docket No.	IMRAA.015C1

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HS	Exhibit 12	February 16, 2001 Declaration filed in the '044 published application	
	Exhibit 13	May 27, 2003 Preliminary Amendment filed in the '547 published application.	
	Exhibit. 14	June 10, 2003 Preliminary Amendment filed in the '547 published application	
	Exhibit. 16	November 19, 2003 Office Action issued in the '547 published application	
	Exhibit. 17	January 26, 2004 Response filed in the '547 published application	
	Exhibit. 18	April 27, 2004 Notice of Allowability issued in the '547 published application	
	Exhibit. 19	May 20, 2004 Preliminary Amendment filed in the '547 published application	
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	Exhibit. 23	January 21, 2005 Response filed in the '547 published application	
	Exhibit. 24	Rule 132 Declaration, filed January 21, 2005, in the '547 published application	
	Exhibit. 25	May 17, 2005 Office Action issued in the '547 published application	
	Exhibit. 26	June 30, 2005 Interview Summary in the '547 published application	
	Exhibit. 27	August 22, 2005 Amendment filed in the '547 published application	
	Exhibit. 28	December 20, 2005 Office Action issued in the '547 published application	
	Exhibit. 29	M. Fermann, Single-mode excitation of multimode fibers with ultrashort pulses, Optics Lett., Volume 23, No. 1, 52-54 (January 1, 1998)	
	Exhibit. 30	January 12, 2006 Responses filed in the '547 published application	
	Exhibit. 31	Rule 132 Declaration, filed January 12, 2006, in the '547 published application	
	Exhibit. 32	January 30, 2006 Information Disclosure Statement filed in the '547 published application	
HS	Exhibit. 33	M. Fermann et al., Fiber-lasers for ultrafast op[tics, App. Phys. B, Volume 65, 259-275 (1997)	

Examiner Signature <i>Hayat Sayad</i>	Date Considered <i>9/15/2006</i>
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No. 09/785,944

Filing Date February 16, 2001

First Named Inventor Martin E. Fermann

Art Unit 2828

Examiner Delma Flores Ruiz

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Multiple sheets used when necessary)

SHEET 1 OF 1

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<i>HS</i>	1	L. M. Yang, et al., <i>Upconversion chirped amplification of ultrashort pulses using a multimode Tm:ZBLAN fiber</i> , SPIE Vol. 2377, pp 148-156	

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[Signature]	Exhibit 1	5,818,630	10-08-98	Fermann et al.	
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		<u>Opinion Rendered for SPI Lasers plc Regarding IMA's U.S. Patent Nos. 5,818,630, 6,275,512 and 6,954,575 and IMRA's Pending Published Patent Applications '547, '044 and '458, Fulbright &amp; Jaworski L.L.P. March 2, 2006</u>	
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	Art Unit	2828
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H/S	1	5,007,059		Keller, et al.	
	2	5,574,739		Carruthers, et al.	

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H/S	3	DE 44 27 005 A1				
	4	WO 92/16037				
	5	EP 0 657 974 A2				

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H/S	6	Pandit, et al., <i>Characteristic Instability of Fibre Loop Soliton Lasers</i> , Electronics Letters, Vol. 28, No. 5, Feb. 27, 1992.	
	7	Kelly, et al., <i>Source of Instability in Fibre Soliton Lasers</i> , Femtosecond Optics Group, Physics Dept., Imperial College, London	
	8	Hofer, et al., <i>Regenerative Nd: glass amplifier seeded with a Nd: fiber laser</i> , OPTICS LETTERS, Vol. 17, No. 11, pp. 807-809, June 1, 1992.	
	9	Davey, et al., <i>High-speed, mode-locked, tunable, integrated erbium fibre laser</i> , Electronics Letters, Vol. 28, No. 5, pp. 482-484, 1992.	
	10	Zimigble, <i>1-2 ps pulses from passively mode-locked laser diode pumped er-doped fibre ring laser</i> , Electronics Letters, Vol. 27, No. 19, pp. 1734-1735, Sept. 12, 1991.	

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<i>[Signature]</i>	1	3,808,549		Maurer	
<i>[Signature]</i>	2	5,036,220		Byer, et al.	
<i>[Signature]</i>	3	5,074,633		Cohen, et al.	

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<i>[Signature]</i>	4	Gapontsev, et al., 25 kW peak power, wide-tuneable-repetition-rate and pulse duration eye-safe MOPFA laser, Lasers and Electro-Optics, 1996, June 2-7, 1996, CLEO '96	
<i>[Signature]</i>	5	Griebner, et al., Efficient laser operation with nearly diffraction-limited output from a diode-pumped heavily Nd-doped multimode fiber, OPTICS LETTERS, Vol. 21, No. 4, February 15, 1996	

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